

IN THE CLAIMS

Please cancel Claims 15-21 and 46-49 without prejudice:

1. (Previously Presented) A communication device comprising:

B1 a single buffer having more than one portion configured for storing communication data comprising a plurality of speech samples having different numbers of data samples and more than one type of communications quality;

control circuitry coupled with the buffer and configured to generate a plurality of packets having different amounts of communication data received from the buffer without introducing interruptions in the speech samples by switching among buffers; and

communication circuitry coupled with the control circuitry and configured to communicate the packets.

2. (Original) The device according to claim 1 wherein the control circuitry is configured generate a plurality of packet types, and further comprising control circuitry configured to extract communication data from only a portion of the buffer for one packet type and the entire buffer for another packet type.

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3. (Previously Presented) The device according to claim 1 wherein the control circuitry is configured to select between a generation of a first packet type including a first amount of communication data and another packet type including a second amount of communication data.

4. (Previously Presented) The device according to claim 1 wherein the control circuitry is configured to select between a generation of different packet types including respective different amounts of communication data.

5. (Original) The device according to claim 1 further comprising control circuitry configured to extract communication data only from a first portion of the buffer for a given packet and only from a second portion of the buffer for another packet.

6. (Original) The device according to claim 1 further comprising control circuitry configured to selectively offset address the buffer to extract communication data from a portion of the buffer.

7. (Original) The device according to claim 1 wherein the control circuitry is configured to generate the packets including different amounts of communication data comprising different numbers of data samples.

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8. (Original) The device according to claim 1 wherein the communication circuitry comprises wireless communication circuitry.

9. (Original) The device according to claim 1 wherein the communication circuitry comprises circuitry configured to communicate in accordance with the Bluetooth communications protocol.

10. (Original) The device according to claim 1 wherein the buffer is configured to store a maximum amount of communication data to be communicated in a single packet.

11. (Original) The device according to claim 1 wherein the buffer comprises a cyclical buffer.

12. (Previously Presented) A communication device comprising:

a buffer having more than one portion configured to store communication data comprising a plurality of speech samples having different numbers of data samples and more than one type of communications quality;

control circuitry coupled with the buffer and configured to generate a plurality of packets including communication data from the buffer, the control circuitry being configured to selectively address portions of the buffer using an offset address to extract the communication data for provision within at least some of the

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packets without introducing interruptions in the speech samples by switching among buffers; and

communication circuitry coupled with the control circuitry and configured to communicate the packets.

13. (Original) The device according to claim 12 wherein the control circuitry is configured to extract communication data only from a first portion of the buffer for a given packet and only from a second portion of the buffer for another packet, wherein the control circuitry utilizes the offset address to extract communication data from the second portion of the buffer.

14. (Original) The device according to claim 12 wherein the communication circuitry comprises wireless communication circuitry.

15-21. (Cancelled)

22. (Previously Presented) A communication device comprising:

a buffer configured to store a given amount of communication data comprising a plurality of speech samples having different numbers of data samples and more than one type of communications quality;

control circuitry coupled with the buffer and configured to selectively generate a packet including an amount of communication

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data different than the given amount of communication data without introducing interruptions in the speech samples by switching among buffers; and

communication circuitry coupled with the control circuitry and configured to communicate the packet.

23. (Original) The device according to claim 22 wherein the control circuitry is configured to generate a plurality of packet types and to extract communication data from only a portion of the buffer for one packet type and the entire buffer for another packet type.

24. (Previously Presented) The device according to claim 22 wherein the control circuitry is configured to select between generation of a first packet type including a first amount of communication data and another packet type including a second amount of communication data.

25. (Previously Presented) The device according to claim 22 wherein the control circuitry is configured to select between generation of different packet types including respective different amounts of communication data.

26. (Original) The device according to claim 22 wherein the control circuitry is configured to extract communication data only

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from a first portion of the buffer for a given packet and only from a second portion of the buffer for another packet.

27. (Original) The device according to claim 22 wherein the control circuitry is configured to selectively offset address the buffer to extract communication data from only a portion of the buffer.

28. (Original) The device according to claim 22 wherein the communication circuitry comprises wireless communication circuitry.

15/ 29. (Previously Presented) A communication system comprising:

a plurality of communication devices configured to communicate with one another, wherein at least one of the communication devices comprises:

a buffer configured to store communication data comprising a plurality of speech samples having different numbers of data samples and more than one type of communications quality;

control circuitry coupled with the buffer and configured to generate a plurality of packets including different amounts of communication data from the buffer without introducing interruptions in the speech samples by switching among buffers; and

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communication circuitry coupled with the control circuitry and configured to communicate the packets.

~~14~~ 30. (Original) The system according to claim ~~29~~<sup>15</sup> wherein the control circuitry is configured generate a plurality of packet types and to extract communication data from only a portion of the buffer for one packet type and the entire buffer for another packet type.

~~11~~ 31. (Previously Presented) The system according to claim ~~29~~<sup>15</sup> wherein the control circuitry is configured to select between generation of a first packet type including a first amount of communication data and another packet type including a second amount of communication data.

~~18~~ 32. (Original) The device according to claim ~~29~~<sup>15</sup> wherein the control circuitry is configured to select between generation of different packet types including respective different amounts of communication data.

~~19~~ 33. (Original) The system according to claim ~~29~~<sup>15</sup> wherein the control circuitry is configured to extract communication data only from a first portion of the buffer for a given packet and only from a second portion of the buffer for another packet.

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~~20~~ 34. (Original) The system according to claim ~~29~~<sup>15</sup> wherein the communication devices are configured to communicate using wireless communication signals.

~~21~~ 35. (Previously Presented) A Bluetooth communications protocol communication device comprising:

a cyclical buffer configured to store a maximum amount of communication data to be communicated in a single packet, the communication data comprising a plurality of data samples;

a packet composer coupled with the buffer and configured to select between generation of packets of a first packet type individually including a first amount of communication data from the buffer and of packets of a second packet type individually including a second amount of communication data from the buffer, the packet composer being further configured to extract communication data from only a portion of the buffer for packets of the first packet type selectively using an offset address and the entire buffer for packets of the second packet type, and wherein the packet composer is further configured to extract communication data only from a first portion of the buffer for a first packet of the first packet type and only from a second portion of the buffer for a second packet of the first packet type and only from a third portion of the buffer for a third packet of the first packet type;

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and wireless communication circuitry coupled with the packet composer and configured to communicate the packets of the first packet type and the second packet type in accordance with a Bluetooth communications protocol without introducing interruptions in the speech samples by switching among buffers.

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26. (Previously Presented) A communication method comprising:

storing communication data comprising a plurality of speech samples having different numbers of data samples and more than one type of communications quality within a single buffer;

extracting different amounts of communication data from the buffer without introducing interruptions in the speech samples by switching;

providing a plurality of packets including the different amounts of communication data; and

communicating the packets after the providing.

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~~31~~ 29. (Original) The method according to claim ~~26~~ 29 wherein the providing comprises providing packets of different types, and the extracting comprises extracting communication data from only a portion of the buffer for one packet type and the entire buffer for another packet type.

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~~31~~ 38. (Original) The method according to claim ~~36~~<sup>29</sup> wherein the providing comprises switching between a first packet type including a first amount of communication data and a second packet type including a second amount of communication data.

~~32~~ 39. (Previously Presented) The method according to claim ~~36~~<sup>29</sup> wherein the providing comprises selecting between plural packet types including respective different amounts of communication data.

~~33~~ 40. (Original) The method according to claim ~~36~~<sup>29</sup> wherein the extracting comprises extracting communication data only from a first portion of the buffer for a given packet and only from a second portion of the buffer for another packet.

~~34~~ 41. (Original) The method according to claim ~~36~~<sup>29</sup> wherein the extracting comprises selectively offset addressing the buffer.

~~35~~ 42. (Original) The method according to claim 36 wherein the communicating comprises communicating using wireless communication signals.

~~36~~ 43. (Original) The method according to claim ~~36~~<sup>29</sup> wherein the communicating comprises communicating in accordance with a Bluetooth communications protocol.

~~37~~ 44. (Previously Presented) A communication method comprising: storing communication data within a buffer; selectively addressing

the buffer using a given address to extract communication data from at least a first portion of the buffer; selectively offset addressing the buffer using an offset address to extract communication data from a second portion of the buffer, wherein said extraction from a first buffer portion and a second buffer portion does not introduce interruptions in the communication data by switching among buffers;

providing a plurality of packets individually including one of the first portion of the communication data and the second portion of the communication data; and

communicating the packets after the providing.

45. (Original) The method according to claim 44 wherein the providing comprises providing a plurality of packets of a first packet type and providing a plurality of packets of a second packet type, and the addressing using the given address comprises addressing to extract communication data from only a first portion of the buffer for packets of the first packet type and the addressing using the offset address comprises addressing to extract communication data from only a second portion of the buffer for packets of the second packet type.

46-49 (Cancelled)

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